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2003 MeSH

MeSH Supplementary Concept Data

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Name of Substance	cecropin A
Record Type	C
R gistry Number	80451-04-3
CAS Type 1 Name	Cecropin A
Entry Term	P9A protein
H ading Mapped to	*Antimicrobial Cationic Peptides
Indexing Information	Insect Hormones
Pr vious Indexing	* ANTIBIOTICS, PEPTIDE (1995)
Pr vious Indexing	* INSECT HORMONES (1981-1994)
Pr vious Indexing	* PEPTIDES (1995-2000)
S urce	Nature 1981;292(5820):246
Pharm. Action	Anti-Infective Agents
Pharm. Action	Anti-Inflammatory Agents, Non-Steroidal
Pharm. Action	Antimalarials
Pharm. Action	Antiprotozoal Agents
Frequency	119
N te	from cecropia moth, Hyalophora cecropia; small basic protein; has potent antibacterial activity against E coli & other Gram-negative bacteria; structure given in first source; also prevents development of malarial oocysts in mosquito vector
Date of Entry	19810825
Revision Date	20000731
Unique ID	C031161

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*NLM definitions
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Name of Substance	magainin 2
Record Type	C
Registry Number	108433-95-0
Entry Term	Z-12 peptide
Entry Term	hAG-2 protein
Entry Term	mag-2
Entry Term	magainin II
Entry Term	magainin-2
Heading Mapped to	*Antimicrobial Cationic Peptides
Indexing Information	Xenopus laevis
Previous Indexing	* ANTIBIOTICS, PEPTIDE (1995-1996)
Previous Indexing	* PEPTIDES (1987-1994)
Previous Indexing	* PEPTIDES (1996-2000)
Source	Proc Natl Acad Sci USA 1987;84(15):5449
Pharm. Action	Anti-Infective Agents
Pharm. Action	Antimalarials
Pharm. Action	Antineoplastic Agents
Pharm. Action	Antiviral Agents
Frequency	159
Note	from skin of Xenopus laevis; 23-amino acid sequence given in first source; differs from magainin 1 by substitution of Lys instead of Gly at position 10 & Asn instead of Lys at position 22; also used to prevent development of malarial oocysts in mosquito vector; Z-12 is magainin 2 with Lys and Phe residues replaced with their respective D-isomers; homologue of the Xenopus laevis cement; GenBank AF004262 (mouse), AF007791 , AF038451-2 (human)
Date of Entry	19870825
Revision Date	20020605
Unique ID	C053301

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